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**ANTENNA WITH BUILT-IN FILTER**

This application is the U.S. National Phase of International Application of PCT/JP03/08435 filed July 03, 2003 which claims priority of JP 2002-196684 filed July 05, 2002.

**TECHNICAL FIELD**

[0001] The present invention relates to an antenna with built-in filter that is compact, easy to get a match and suitable to be mounted to a cellular phone or portable terminal device and has a configuration of not being interfered with an electronic circuit on a circuit board when it is mounted on the circuit board. More specifically, the invention relates to an antenna with built-in filter having a configuration of preventing that, even in the case where it is used in plural frequency bands such as for a cellular phone and for a GPS or Bluetooth, for example, the other signal inputs into a receiving circuit side via a feeding terminal electrode to be interfered with each other.

**BACKGROUND ART**

[0002] An antenna is conventionally configured to be capable of receiving or transmitting only a signal of a desired frequency band via a filter such as a band pass filter. Conventionally, the filter individually manufactured has been externally connected to an antenna for use. Recently, an antenna with built-in filter wherein an antenna and a filter are integrated has been developed for eliminating a troublesome work of matching an antenna and a filter or for meeting a demand of downsizing an electronic device.

[0003] As shown by a partially perspective explanatory view